

BS01042

U.S. Application No. 10/017,428 Art Unit 2151
Preliminary AmendmentAMENDMENT TO THE CLAIMS

1. (Currently Amended) A ~~digital video broadcast (DVB) device decoder, wherein the device decoder is connected to a digital residential entertainment system (DRES), comprising:~~

~~a media server for tuning a transport layer and transmitting the transport layer over a network bus, the DVB device decoder comprising:~~

~~a network input/output module for receiving the transport layer off the network bus;~~
~~a decryption module for decrypting the transport layer;~~
~~a demultiplexer for demultiplexing the transport layer; and~~
~~a decoder for decoding the transport layer.~~
2. (Currently Amended) The ~~DVB device decoder digital residential entertainment system~~ of claim 1 further comprising a digital-to-analog converter for converting the digital transport layer to analog signals.
3. (Currently Amended) The ~~DVB device decoder digital residential entertainment system~~ of claim 1 further comprising a conditional access system (CAS) for restricting access to media services offered via the transport layer to authorized customers.
4. (Currently Amended) The ~~DVB device decoder digital residential entertainment system~~ of claim 3 wherein the CAS comprises a card reader and an access card.
5. (Currently Amended) The ~~DVB device decoder digital residential entertainment system~~ of claim 3 wherein the CAS comprises a secured network CAS.

BS01042

U.S. Application No. 10/017,428 Art Unit 2151
Preliminary Amendment

6. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 5 wherein the secured network CAS comprises a secured Internet Protocol (IP) connection ~~from the DVB device decoder~~ to an authentication service provider.
7. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 6 wherein the secured Internet Protocol (IP) connection ~~from the DVB device decoder~~ to an authentication service provider is an IPsec connection.
8. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 5 wherein the secured network CAS comprises a broadband connection ~~from the DVB device decoder~~ to an authentication service provider.
9. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 8 wherein the broadband connection is a private virtual circuit (PVC) connection.
10. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 1 wherein the decrypting, demultiplexing and decoding functions are integrated into a single chip.
11. (Currently Amended) The ~~DVB device decoder~~ digital residential entertainment system of claim 1 wherein the network input/output module, the decryption module, the demultiplexer and the decoder comprise a computer-readable medium comprising computer-readable instructions, which when executed perform the functions of the network input/output module, the decryption module, the demultiplexer and the decoder.
12. (Currently Amended) A digital residential entertainment system (DRES) comprising:

BS01042

U.S. Application No. 10/017,428 Art Unit 2151
Preliminary Amendment

a tuner array for receiving and demodulating a plurality of transport layers, for tuning to a specific transport layer identified by a ~~digital-video broadcast (DVB) device~~ decoder and for sending the identified transport layer over a bus; and

~~the DVB device decoder comprising~~ a network input/output module for retrieving the identified transport layer from the bus;

a decryption module for decrypting the identified transport layer;

a demultiplexer for demultiplexing the identified transport layer; and

the a decoder for decoding the identified transport layer.

13. (Currently Amended) The DRES of claim 12 wherein the ~~DVB device decoder~~ is part of a thin client set top box.
14. (Currently Amended) The DRES of claim 12, ~~wherein the DVB device decoder further comprising~~ comprises a digital-to-analog converter for converting the identified transport layer to analog signals.
15. (Currently Amended) The DRES of claim 12, ~~wherein the DVB device decoder further comprising~~ comprises a conditional access system (CAS) for restricting access to media services offered via the transport layer to authorized customers.
16. (Currently Amended) The DRES of claim 12 wherein the identified transport layer is an ~~100Mb~~ Ethernet transport layer.